

# PRODUCT SPECIFICATION

**Customer** : \_\_\_\_\_

**Part No** : XY-3528-3-01 -BC

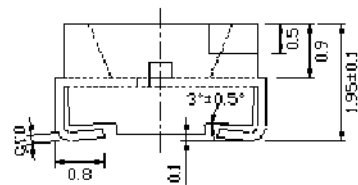
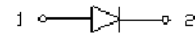
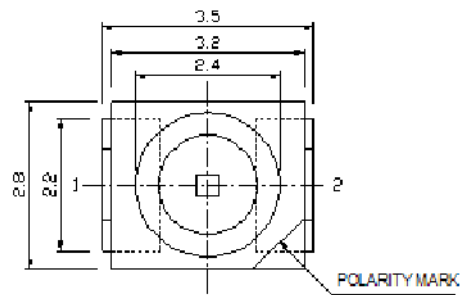
**Developed No** : \_\_\_\_\_

**Date** : \_\_\_\_\_

CUSTOMER APPROVED BY

APPROVED	Q.C.	R&D

■ **Outline Dimension:**

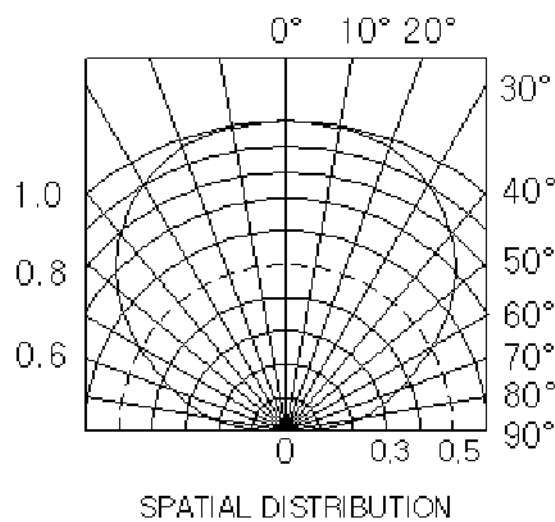


Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.2 unless otherwise noted.
3. Specifications are subject to change without notice.

■ **View Angle:**

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■ **Typical Electrical & Optical Characteristics(Ta=25°)**

Items	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	3.0	3.2	3.4	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	---	---	5	μA
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	460	465	470	nm
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	150	180	---	mcd
View Angle	2θ 1/2	I <sub>F</sub> =20mA	---	120	---	Deg

■ **Absolute Maximum Ratings (Ta = 25°C)**

Items	Symbol	Absolute maximum Rating	Unit
Power Dissipation	P <sub>D</sub>	120	mW
Forward Current(DC)	I <sub>F</sub>	30	mA
Peak Forward Current	I <sub>Fp</sub>	120	mA
Reverse Voltage	V <sub>R</sub>	5	V
Operation Temperature	T <sub>opr</sub>	- 40~ + 85	°C
Storage Temperature	T <sub>stg</sub>	- 40~ + 85	°C

Note :1/10 Duty Cycle, 0.1 ms Pulse Width.

## ■ Typical Electrical/Optical Characteristics Curves:①

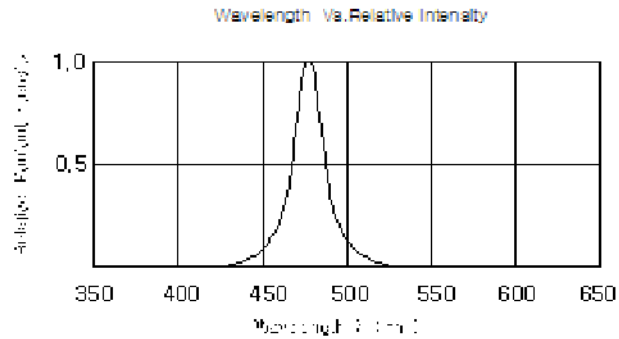
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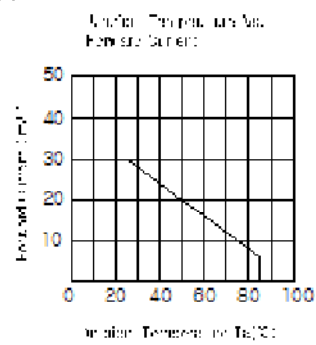
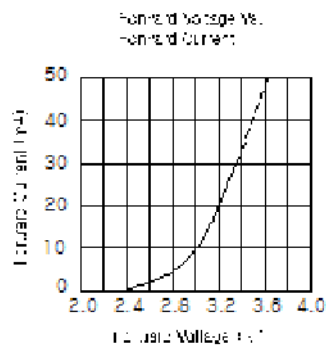


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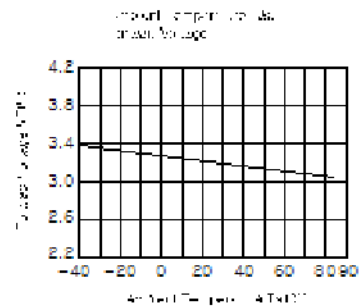
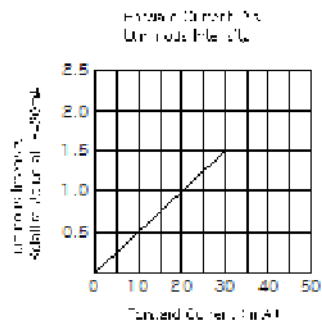


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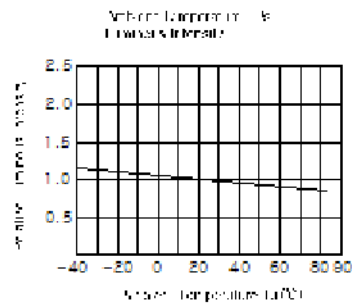
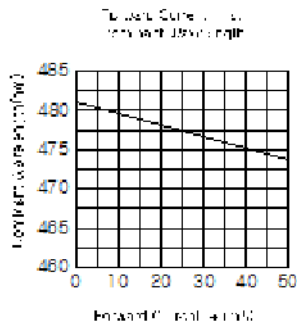
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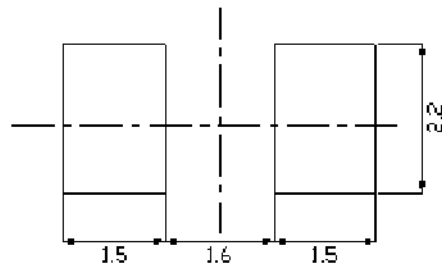


Classification <sup>Ⓢ</sup>	Test Item <sup>Ⓢ</sup>	Test Conditions <sup>Ⓢ</sup>	Duration <sup>Ⓢ</sup>	Units Tested <sup>Ⓢ</sup>	Number of Damaged <sup>Ⓢ</sup>
Life Test <sup>Ⓢ</sup>	Operating Life Test <sup>Ⓢ</sup>	Ta=25°C ± 5°C <sup>Ⓢ</sup> RH=55 ± 20%RH <sup>Ⓢ</sup> IF=30mA <sup>Ⓢ</sup>	1000hrs <sup>Ⓢ</sup>	22 <sup>Ⓢ</sup>	0/22 <sup>Ⓢ</sup>
Environment <sup>Ⓢ</sup> Test <sup>Ⓢ</sup>	High Temperature Storage <sup>Ⓢ</sup>	Ta=100°C ± 10°C <sup>Ⓢ</sup>	1000hrs <sup>Ⓢ</sup>	22 <sup>Ⓢ</sup>	0/22 <sup>Ⓢ</sup>
	Low Temperature Storage <sup>Ⓢ</sup>	Ta=-40°C <sup>+3/-5</sup> °C <sup>Ⓢ</sup>	1000hrs <sup>Ⓢ</sup>	22 <sup>Ⓢ</sup>	0/22 <sup>Ⓢ</sup>
	Temp & Humidity Storage <sup>Ⓢ</sup>	Ta=85°C <sup>+3/-5</sup> °C <sup>Ⓢ</sup> RH=85 <sup>+5/-10</sup> %RH <sup>Ⓢ</sup>	1000hrs <sup>Ⓢ</sup>	22 <sup>Ⓢ</sup>	0/22 <sup>Ⓢ</sup>
	Thermal Shock Test <sup>Ⓢ</sup>	Ta=-40°C <sup>+3/-5</sup> °C~ <sup>Ⓢ</sup> 100°C <sup>+3/-5</sup> °C <sup>Ⓢ</sup> T=5min-5min <sup>Ⓢ</sup>	100 <sup>Ⓢ</sup> Cycles <sup>Ⓢ</sup>	22 <sup>Ⓢ</sup>	0/22 <sup>Ⓢ</sup>
	Temperature Cycling Test <sup>Ⓢ</sup>	Ta=-40 <sup>+3/-5</sup> °C~25°C~ <sup>Ⓢ</sup> 100 <sup>+3/-5</sup> °C~25°C <sup>Ⓢ</sup> T=30min-5min-30min- 5min <sup>Ⓢ</sup>	10Cycles <sup>Ⓢ</sup>	22 <sup>Ⓢ</sup>	0/22 <sup>Ⓢ</sup>



■ **Recommended Soldering Pattern:**

(Units: mm)



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■ **Tape Specifications:**

(Units: mm)

